



Form (H) Short course description

Course title: Medication therapy management-1-	Course number and code: PHCL436
Previous course requirement: PHCL 423	Language of the course: English
Course level: level 9	Effective hours: 2(2+0)

Course description:

This course is a survey of topics in the social and behavioral sciences as they apply to pharmacy practice. It is a part of a 2 course series that introduce the Medication Therapy Management service (MTMS) to optimize therapeutic outcomes through appropriate drug use, enhanced patient understanding of appropriate drug use, increased patient adherence with prescribed drug therapies, and reduced risk of adverse events associated with drugs.

Course objectives

- To give students a deeper and more detailed appreciation of how social and behavioral sciences are applied to problems in pharmacy, health, and illness.
- To provide students with skills required to understand and apply social and behavioural principles in the design, delivery and evaluation of pharmaceutical care.

Learning outcomes

After studying this course, the student is expected to be able to:

1. Discuss the importance of behavioral and social theories to pharmaceutical care practice and research
2. Describe relevant behavioral theories of health, illness and medication use, and apply these theories to the pharmacotherapy plan.
3. Identify and describe social and behavioral factors associated with medication nonadherence, and identify strategies to improve adherence.
4. Apply social and behavioral research to understand and improve pharmaceutical care.
5. Demonstrate sensitivity to the various multicultural factors involved in pharmaceutical care.
6. Display professional attitudes, beliefs and behaviors in the delivery of pharmaceutical care.

Course outlines

Class	Topic	Activity
1	Introduction/Objectives/Assessments	Lecture
2	Importance of Social and Behavioral pharmacy	Lecture/Discussion
3	Medication Adherence	Lecture
4	Medication Adherence	Lecture/Discussion
5	Chronic Illness	Lecture
6	Chronic Illness	Quiz/Discussion
7	Theory and Theoretical Model	Lecture
8	Theory and Theoretical Model	Lecture/Quiz
9	Patient-Provider Communication and Patient Decision Making	Lecture/Reflection due
10	Patient-Provider Communication and Patient Decision Making	Quiz/Discussion
11	Patient-Provider Communication and Patient Decision Making	Group Discussion
12	Physician Prescribing Behavior	Lecture/Reflection due/ Project due
13	Physician Prescribing Behavior	Quiz/Discussion
14	Physician Prescribing Behavior	Group Discussion
15	Health Belief Model	Lecture
16	Health Belief Model	Quiz/Discussion
17	Health Belief Model	Group Discussion
18	Transtheoretical Model	Lecture/Reflection due
19	Transtheoretical Model	Quiz/Discussion
20	Transtheoretical Model	Group Discussion
21	Social Networks and Support	Lecture/Reflection due
22	Social Networks and Support	Quiz/Discussion
23	Social Networks and Support	Group Discussion
24	Diffusion of Innovation	Lecture/Reflection due

25	Diffusion of Innovation	Quiz/Discussion
26	Diffusion of Innovation	Group Discussion
27	Theory in Research	Lecture/Discussion
28	Project 2 Discussion	Discussion
29	Project 2 Discussion	Discussion

Recommended Textbook

Title of the book	Author's name	Publisher's name	Date of publication
Social and Cognitive Pharmacy: Theory and Case Studies, First Edition	Donyai, Parastou	Pharmaceutical Press	2012
Social and Behavioral Aspects of Pharmaceutical Care, Second Edition	Rickles NM et al	Informa Healthcare	2011
Health Behavior and Health Education: Theory, Research, and Practice, 4th Edition	Glanz K et al	Wiley	2008

Grade Policy and Distribution

Activity	Credit point	Comments
Quizzes	25	Please see table below, there will be 8 quizzes each quiz will be credited 2.5 points.
Article discussion Project	15 15	
Participation	5	
Final exam	40	
Total	100	

*Please observe college schedule for final exam dates.

1. Article discussion (15 points)

The objective of this assignment

1. To understand how behavioral theories of health, illness and medication use are applied into research and practice.
2. The student should be able to differentiate culture differences between Saudi population and other population and how to apply such research in Saudi Arabia.

The assignment:

1. You will be divided to groups of 5-6 students, but each student will work individually.
2. Each group will be given an article related to one the theories in social pharmacy.
3. You are required to write a reflection and lead a discussion about this article.
4. Each student should work individually to review the article, critique it and write his own reflection on this article.
5. Discuss how does this research add to pharmacy, weak points and the strong points in this research, and what did this article add to your knowledge.

This assignment is two parts:

Part one a paper (9 out of 15 points)

A written reflection about 300 words long no more than one page. The paper must be typed, double-spaced, 12 font, and one-inch margins or they will not be accepted. Late papers will not be accepted. Students handing in papers late will automatically receive a grade of zero. The paper should be handed 48 hours before the discussion scheduled date.

The paper will be graded as follow: the 9 points will be divided

1. The clarity of the idea: (3 points)
This paper reflects your own opinion it needs to be clear and well presented.
2. The content which should include: (5 points)
 - The benefits of this research to pharmacy practice
 - Weak points and the strong points in this research
 - Culture differences that can be identified in this paper (for example limitations in applying this research in Saudi Arabia)
 - What did this article add to your knowledge?
3. Spelling errors (1 points)

Part two in the class (6 out of 15 points)

As a team be ready to discuss your Article for the duration of 50 minutes. The discussion will be open with questions from the audience (the tutor and students)

- Start by providing a brief summary about the article
- Evaluate the research method and study results
- Discuss the application of this kind of research in pharmacy practice
- Discuss how this theory can be developed and adapted in Saudi Arabia
- Answer questions from the audience

The discussion will be graded as follow:

Leading the discussion and the level of student involvement	3 points
Answering the discussion question	3 points

There will be a standard evaluation form to evaluate your discussion will be sent later.

2) Project (15 points)

The objectives of this assignment:

1. To communicate with patients and understand the aspects of social pharmacy in designing a pharmaceutical care plan.
2. Apply social and behavioural research to understand and improve pharmaceutical care.
3. To be able to apply the appropriate behavioral theory to any given disease or condition.

Each student will be required to complete an individual project, involving a patient interview.

1. Each student will choose a family member with a certain disease and communicate with the patient through a short interview.
2. The student is required to assess the patient and apply the appropriate theory on his case through the following:
 - Assess the patient diseases.

- Choose the appropriate theory that describes the patient beliefs and behavior.
- Describe the factors that affect the pharmaceutical care plan through the chosen theory.
- Recommendation for the patient plan.

A written paper should be handed in the lecture 21, the paper must be typed, double-spaced, 12 font, and one-inch margins or they will not be accepted. Late papers will not be accepted. Students handing in papers late will automatically receive a grade of zero.

Grading of the project:

Patient case scenario (containing the patient age, short description of the patient condition)	2points
The theory (based on the student assessment)	2 points
The Justification (why did you choose this theory) this part should be detailed, provide evidence from the patient case.	6 points
The student's recommendation to improve the patient outcome	3 points
References	1 point
Spelling and organization	1 point
Total	15 points

Attendance, late assignments/homework policy or missed quizzes/midterm exams:

O Attendance is mandatory; students missing more than 25% on the course attendance will not be allowed to set for the final exam PER UNIVERSITY POLICY.

O Students with **legitimate excuse** missing a lecture, midterm exam, quiz or homework should provide the course **coordinator** with the appropriate documents **as soon as possible (within 2 WEEKS). Beyond that the instructor reserves the right to deny any late home work/make up exams requests.**

O For missed midterm exam: If the excuse is legitimate and accepted by the College Vice Dean and the Academic Committee, a make-up exam can be granted. The date of the make-up exam will follow the directions from the Academic Affair office. **Questions on the make-up midterm exams will be solely short answer and essay questions.**

O For missed assignments/homework after your Preceptor agrees on a makeup assignment you should arrange a time with her.

Late assignments/homework will not be accepted

Academic Dishonesty/plagiarism

Students are expected to demonstrate **professionalism** and **honesty** during this course. Academic dishonesty includes, but is not limited to, cheating, plagiarizing, fabricating of information or citations, facilitating acts of academic dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. Students found in violation of such policy are subjected to disciplinary actions as per University Policy.

Course Evaluation

An evaluation of the full course and course faculty will be administered towards the end of the course. Additionally, individual instructors or module coordinator may ask for an evaluation of their lecture(s)/modules.

Email Policy

During this course, students are highly encouraged to use the email to communicate with the course instructor and facilitators. However, email correspondences should satisfy the following

- Students **MUST** use their KSU email account to communicate from.
 - Private emails account will be regarded as SPAM and will not be acknowledged.
 - Each email must have a **subject title** indicating the purpose of the email and the name of the course.
 - Body of the email:
 - Email text should be written in in proper English or **CORRECT** Arabic
 - (الرسائل المكتوبة بلغة عامية لن يتم الرد عليها) .
 - English terms should be written in English or a proper translation should be used. Terms such as (كيس بريزنتاشن) are **NOT** appropriate.
 - Each email should be started with: Dear Dr.
 - You should end your email as follow: Respectfully, (then state your full name)
 - Emails not fulfilling **ALL** of the above will not be recognized or answered.
 - Any misuse of the email will be reported to the College administration for proper disciplinary action.